

## Computer-Implemented Dimension Engine

### ABSTRACT

A computer-implemented dimension engine that automatically identifies the market segments represented in user-specified input data. The dimension engine creates  
5 new dimension variables based on those segments that most accurately predict the outcomes of a target variable. A data store is used to store the input data. A decision tree processing module determines a subset of the dimension variables to split the input data. The splitting of the dimension variables predicts the target variable. A multi-dimension  
viewer generates a report using the determined dimension variables subset and the  
10 splitting of the dimension variables.